MINERALOGICAL ABSTRACTS

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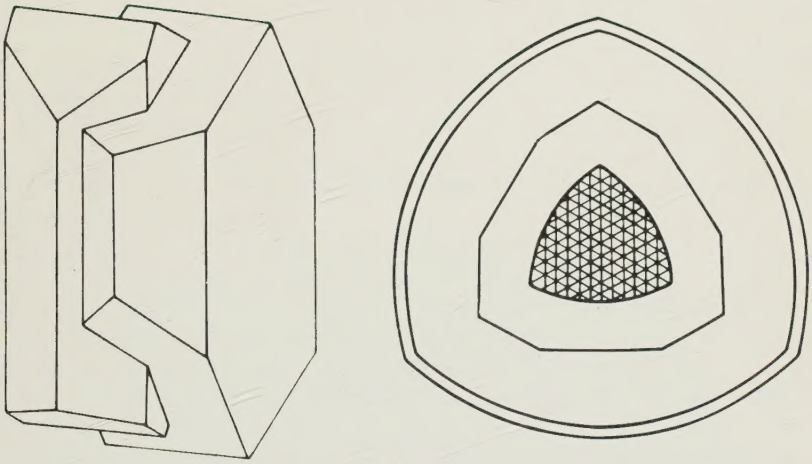
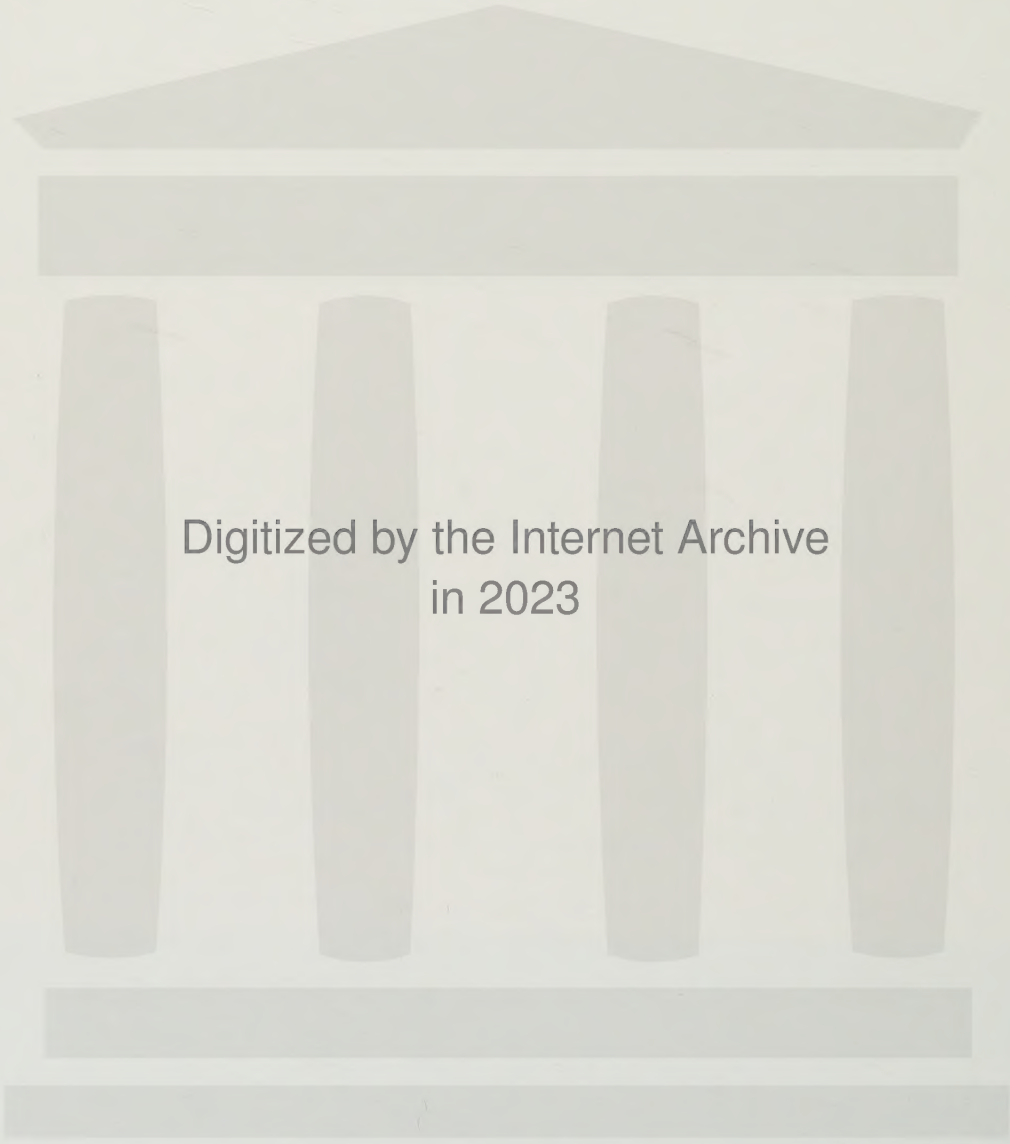


Mineralogy

Geochemistry

Petrology



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ERRATA

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92M/0877	text, line 1: *for* Alluair *read* Alluaiv	92M/3437	text, line 1: *for* Kakum *read* Kakun
92M/1195	citation: *for* J. J. Kisch *read* H. J. Kisch	92M/3853	text, lines 8: *for* cumengéite *read* cumengite

ORGANIZATION OF ABSTRACTS

Arising from a decision taken at the meeting of the INTERNATIONAL MINERALOGICAL ASSOCIATION in Copenhagen in 1961 the Mineralogical Societies of America and Great Britain agreed to issue a joint statement to National Societies adhering to the Association inviting each Society to organize contributions of abstracts of papers published in the journals of its country on subjects relevant to *Mineralogical Abstracts*. This invitation was issued and has brought a gratifying response. Members of Societies which have agreed to co-operate in this way are entitled to receive *Mineralogical Abstracts* for their personal use at a reduced rate of subscription on application, *which must be made through their National Society*. The countries now co-operating include: AUSTRALIA, AUSTRIA, BELGIUM, BULGARIA, CANADA, CZECHOSLOVAKIA, DENMARK, FINLAND, FRANCE, GERMANY, INDIA, ISRAEL, ITALY, JAPAN, NETHERLANDS, NEW ZEALAND, NORWAY, PAKISTAN, PORTUGAL, SOUTH AFRICA, SPAIN, SWEDEN, SWITZERLAND, TURKEY.

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ABBREVIATIONS AND SYMBOLS

used in the text of abstracts

M.M. ... Mineralogical Magazine : M.A. ... Mineralogical Abstracts : A.M. ... American Mineralogist

CHEMICAL & PHYSICAL CHEMICAL

atomic absorption spectrophotometry	AAS
before present	B.P.
cation-exchange capacity	c.e.c.
concentrated	conc.
differential thermal analysis	DTA
dilute	dil.
energy dispersive analysis	EDA
electron probe microanalysis	EPMA
ethylenediaminetetra-acetic acid	EDTA
fugacity	*f*
gas chromatography	GC
heat of formation (absolute temperature subscript)	ΔHf
hydrogen ion conc. acidity	pH
inductively coupled plasma	ICP
initial ratio, e.g.	i_{Sr}
insoluble residue	insol. res.
isotopes, e.g.	^{40}Ar, ^{40}K
isotope ratio, e.g.	$\delta^{18}O$
isotope ratio normalised to chondrite, e.g.	ε_{Nd}
large ion lithophile	LIL
loss on ignition	ign. loss
mid-ocean ridge basalt	MORB
milliequivalent	me.
mass absorption spectrometry	MAS
mass spectrometry	MS
microgram	µg
million years	m.y.
neutron activation analysis	NAA
not determined	n.d.
not found	nt. fd.
nuclear magnetic resonance	NMR
parts per billion (10^{-9})	ppb
parts per million	ppm
parts per trillion (10^{-12})	ppt
platinum group elements, minerals	PGE, M
rare earth elements	*REE*
standard mean ocean water	SMOW
strength of solution, normal	*N*
———, molar	*M*
substances in ionic state	
anions, e.g.	Cl^-, SO_4^{2-}
cations, e.g.	K^+, Fe^{3+}
thermogravimetric analysis	TGA
thousand years	k.y.
trace	tr.
X-ray powder diffraction	XRD
X-ray fluorescence analysis	XRF

CRYSTALLOGRAPHIC & STRUCTURAL

Ångstrom unit (10^{-8} cm)	Å
crystal axes	*a, b, c*
— face indices	(hkl)
— form indices	{hkl}
— zone indices	[hkl]
indices of X-ray diffractions	hkl
intensity	*I*
— relative	I/I_o
interplanar spacing	*d*
mica structural polymorphs	1 M_1, 2 M
unit cell, formula units	*Z*
— —, repeat distances	*a,b,c*
— —, reciprocal lattice length of edges	*a*,b*,c**
— —, interaxial angles direct lattice	α,β,γ
— — , — —reciprocal lattice	α*,β*,γ*

OPTICAL

dispersion, e.g.	r > v
extinction angle, e.g.	γ:*c*
infrared	IR
optic axial angle	2V
——, plane	O.A.P.
refractive index in text	refr. ind.
—— of isotropic minerals	*n*
refractive indices	
of uniaxial mineral	ω,ε
of biaxial mineral	α,β,γ
scanning electron microscopy	SEM
transmission electron microscopy	TEM
sign of biaxiality	
negative	$2V_\alpha$ or –
positive	$2V_\gamma$ or +
ultraviolet	UV

PHYSICAL

calculated	calc.
cathodoluminescence	CL
cycles per second	c/s
degree centigrade	°C
degrees absolute	K
density	*D* (quote units)
electron paramagnetic resonance	e.p.r.
hardness	H.
kilobar (0·1 GPa)	kbar
melting point	m.p.
micron (10^{-3} mm)	µm
nanometre (10^{-6} mm)	nm
natural remanent magnetization	n.r.m.
Ohm	Ω
pressure(s)	*P*
soluble	sol.
specific gravity, terms of reference not known	sp.gr.
temperature(s)	*T*
thermoluminescence	TL
Vickers hardness number	VHN
wavelength	λ

SYMBOLS

approximately equal to	~
equal to	=
equal to or greater than	≥
equal to or less than	≤
equilibrium	⇌
greater, less than	>, <
much greater, less than	>>, <<
parallel to	∥
per cent	%
per mille	‰
perpendicular to	⊥
proportional to	∝

GEOGRAPHICAL

East Pacific rise	EPR
mid-Atlantic ridge	MAR
east, eastern	E
north, northern	N
south, southern	S
west, western	W

SUBJECT INDEX

to *Mineralogical Abstracts*, vol. 43. Names of REGIONS are printed in capitals, subjects in lower-case roman and *Localities* in italics